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No. 43] NEW DELHI, SATURDAY, OCTOBER 27, 1979 (KARTIA 5, 1901)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड २

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE
PATENTS & DESIGNS
Calcutta, the 27th October, 1979
CORRIGENDUM

In the issue of the Gazette of India, Part III, Section 2 dated the 7th July, 1979 at Page 417, delete entry appearing against Serial No. 45.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

20th September, 1979

981/Cal/79. Luossavaara-Kiirunavaara AB. Bottom discharge device.

982/Cal/79. Stauffer Chemical Company. Herbicide compositions of extended soil life.

983/Cal/79. Gutehoffnungshutte Sterkrade Aktiengesellschaft. Cutting a solid body. (August 9, 1979).

21st September, 1979

984/Cal/79. Lucas Industries Limited. Displacement transducers. (September 28, 1978).

985/Cal/79. Lucas Industries Limited. Starter motor brush assembly. (September 29, 1978).

1-297GI/79

986/Cal/79. Maschinenfabrik Rieter A.G. Winding apparatus with means for automatically exchanging tubes. (September 21, 1978).

987/Cal/79. Unisearch Limited. Radiation concentrator and distributor. (September 21, 1978).

988/Cal/79. Sri Girija Bhushan Ganguli. Tape system digit calculator.

989/Cal/79. Ethicon Inc. Anastomotic coupling device.

990/Cal/79. Personal Products Company. Crush resistant adhesively-attached absorbent product.

991/Cal/79. Brennstoffinstitut Freiberg and Gosudarstwenny Nautchno-Issledowatelskij I Projektnyi Institut Asotnoj Promyschlennosti I Produktow Organitscheskogo Sintesa. Device for the pressure release of reactors.

992/Cal/79. Brennstoffinstitut Freiberg and Gosud-Arstwenny Nautchno-Issledowatelskij I Projektnyi Institut Asotnoj Promyschlennosti I Produktow Organitscheskogo Sintesa. Procedure and device for simultaneous gas cooling and slag granulation.

993/Cal/79. Brennstoffinstitut Freiberg and Gosudarstwenny Nautchno-Issledowatelskij I Projektnyi Institut Asotnoj Promyschlennosti I Produktow Organitscheskogo Sintesa. Burner for the gasification of powdered fuels.

994/Cal/79. Dunlop India Limited. Animal drawn vehicle. [Divisional date December 14, 1977].

995/Cal/79. Lucas Industries Limited. Improvements in solenoid construction (July 6, 1979).

996/Cal/79. Permelec Electrode Ltd. Electrode for use in electrolysis and process for production thereof.

997/Cal/79. Maschinenfabrik Rieter A. G. Method and apparatus for transferring a fibre roving from the completed bobbin package to an empty tube on a spinning preparatory machine. (September 22, 1978).

24th September, 1979

998/Cal/79. 'Ukrainsky Nauchno-Issledovatelsky Institut Mekhanizatsii Elektrifikatsii Selskogo Khozyaistva. Brush for cleaning meshes of rotary screens

999/Cal/79. D. Baroni and A. Baroni. Mobile apparatus adapted to form a duct for liquid flows, particularly for irrigation purposes.

1000/Cal/79. Coors Container Company. Aluminium alloy compositions and sheets.

1001/Cal/79. Dana Corporation. Method and apparatus for grinding piston rings.

1002/Cal/79. Napp Systems (USA), Inc. Phosphine activated photosensitive compositions and photopolymer printing plates made therefrom.

1003/Cal/79. The B. F. Goodrich Company. Improvements in or relating to a fluid bed reactor.

25th September, 1979

1004/Cal/79. Sealed Power Corporation. Pine joint and method of assembly. (April 19, 1979).

1005/Cal/79. Anic S.p.A. Process for producing preorientated nylon filaments.

1006/Cal/79. Siemens Aktiengesellschaft. A data transmission exchange.

1007/Cal/79. Siemens Aktiengesellschaft. Addressing range expansion.

1008/Cal/79. Combustion Engineering, Inc. Provided supplemental pulverized coal for load regain.

1009/Cal/79. The Lubrizol Corporation. Carboxylic solubilizer/surfactant combinations and aqueous compositions containing same.

1010/Cal/79. Steelsworth Limited. Improvements in or relating to micro dial devices for adjustment of CTC machines.

26th September, 1979

1011/Cal/79. Burroughs Corporation. Etched magnetic coil.

1012/Cal/79. V. M. Tomenko, E. K. Belyaev, J. V. Millinsky and P. M. Avtin. Carbonating column for producing sodium bicarbonate suspension.

1013/Cal/79. Korf-Stahl AG. Process and apparatus for producing liquid crude iron and reduction gas.

1014/Cal/79. Toyama Chemical Co., Ltd. Novel 7 α -methoxycephalosporins and process for producing the same.

1015/Cal/79. Bracker AG. A heddle.

1016/Cal/79. James P. H. Tuang and Suh-Liu, Chen. Novel fuel composition and the process of preparing same.

APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

3rd September, 1979

619/DEL/79. Surender Kumar. "High-strength SYALEX CEMENT And Concrete."

620/DEL/79. Phillip Rodney Hopkins. "Rotary Engine Valve".

621/DEL/79. Bayer Aktiengesellschaft. "Reactive Azo Dye-stuffs".

622/DEL/79. John Dargan Hollingsworth. "Metallic card clothing and method and apparatus for making same".

4th September, 1979

623/DEL/79. Stephan Ionel Baroi. "Apparatus for physical culture and Physiotherapy".

624/DEL/79. Colgate-Palmolive Company. "Dental Restorative Compositions and Filler Therefor".

625/DEL/79. Colgate-Palmolive Company. "Dental Restorative Composite compositions and filler therefor".

626/DEL/79. Bayer Aktiengesellschaft. "Polymer Dispersions for the Treatment of Leather".

5th September, 1979

627/DEL/79. The British Petroleum Company Limited. "A method of preparing active electrodes and use thercof in Electro-chemical cells". (September 21, 1978).

628/DEL/79. Unit Rig & Equipment Company. "Means for driving the back walls of a bucket excavator".

7th September, 1979

629/DEL/79. Compret N. V. "Physical Exerciser". (October 14, 1978). [Addition to 2181/Cal/76].

630/DEL/79. Consuntrator, Inc. "Solar Energy Collector Construction".

631/DEL/79. Chief Controller, Research and Development. "Process for preparing low velocity of Detonation (Vod) sensitive sheet Explosive to be used for cladding of metal plate".

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

7th September, 1979

254/BOM/1979. Dr. Manibhai Brahmabhatta. A Process for the preparation of a herbal parenteral preparation having broad spectrum therapeutic effects.

10th September, 1979

255/BOM/1979. Dr. Manibhai Brahmabhatta. A process for the manufacture of a parenteral preparation having broad spectrum therapeutic effects.

11th September, 1979

256/BOM/1979. Bhabha Atomic Research Centre. Process for making a new ceramic material for use mainly as electrodes in magnetohydrodynamic power generators and resistive heating elements for electrical heating. Division to 4/BOM/1978 dated 4-1-1978.

13th September, 1979

257/BOM/1979. Hoechst Pharmaceuticals Limited. A process for the preparation of a novel, pharmacologically active alkaloid, namely N-methyl-cocculinum hydroxide from plants belonging to the menispermaceae family.

258/BOM/1979. The Rashtriya Chemical & Fertilizers Limited. A process for synthesis and manufacture of Ziram, a Chemical Compound (Zinc Dimethyl Carbamate) and FFRBAM a Chemical Compound (Iron Dimethyl Dithio Carbamate).

14th September, 1979

259/BOM/1979. Bhaskar Hari Patwardhan. Automatic sluice gate.

APPLICATION FOR PATENTS FILED AT THE
(MADRAS BRANCH)

10th September, 1979

170/Mas/79. K. S. G. Doss. Transient Heating Technique
for Reheating of Massecuites.171/Mas/79. L. G. Varadaraj. An Improved Weighing
Device.

15th September, 1979

172/Mas/79. Sundaram-Clayton Ltd. A Dual Brake Valve.

173/Mas/79. Indian Institute of Technology. A Strain Gauge.

174/Mas/79. Indian Institute of Technology. A Machine for
the Manufacture of Concrete Structural Members.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification".

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Shankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 11A. 147028.

Int. Cl.-A22b 1/00, 7/00.

A CUTTING APPARATUS FOR REMOVAL OF ANIMAL LEGS BY-PASSING THE INTESTINE.

Applicant & Inventor : SUNIT KUMAR KUKHERJEE,
18A, NAFAR CHANDRA DAS ROAD, CALCUTTA-
700034, WEST BENGAL, INDIA.

Application No. 41/Cal/77 filed January 13, 1977.

Complete Specification Left January 13, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An apparatus for cutting animal legs particularly frogs' legs, characterized in that the said apparatus comprises in combination :—

(i) a plate for placing the animal from which the legs are to be separated,

(ii) a cloacal occlusion means.

(iii) at least one incision knife moving along a predetermined path,

(iv) means for actuating the incision knife and

(v) means for splicing or cutting.

Prov. Specn. 3 Pages. Comp. Specn. 5 Pages. Drg. 1 Sheet.

CLASS 32F₄C & 40F.

147029.

Int. Cl.-C07c 127/00.

A PROCESS FOR PRODUCING UREA.

Applicant : SNAMPROGETTI S.P.A., OF CORSO VENEZIA 16, MILAN, ITALY.

Inventors : UMBERTO ZARDI AND VINCENZO LAGANA.

Application No. 1283/Cal/77 filed August 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A process for producing urea, which comprises the following steps :—

(a) feeding to a urea synthesis reactor operating at a high pressure carbon dioxide and liquid ammonia in excess with respect to the stoichiometric amount required to react with carbon dioxide to produce urea, so as to produce a urea solution containing ammonium carbamate;

(b) passing the urea solution to a high-pressure decomposer operating at substantially same pressure as the synthesis reactor, and decomposing in that decomposer carbamate contained in the urea solution into ammonia and carbon dioxide, in the presence of an inert stripping agent which comprises gaseous oxygen;

(c) condensing in a high-pressure condenser operating at substantially the same pressure as the synthesis reactor, the ammonia and carbon dioxide produced in the high-pressure decomposer;

(d) recycling the condensate produced in step (c) to the synthesis reactor;

(e) transferring from the high-pressure decomposer a solution of urea which still contains carbamate and dissolved ammonia, to a medium-pressure decomposer, operating at a pressure lower than that in the high-pressure decomposer to produce a urea solution and gaseous products;

(f) transferring gaseous products produced in the medium-pressure decomposer to a medium-pressure condenser;

(g) separating the condensate produced in step (f) into a first liquid phase comprising ammonium carbonate and a second liquid phase formed of substantially pure ammonia;

(h) recycling the first liquid phase comprising ammonium carbonate to the high-pressure condenser;

(i) recycling the second liquid phase formed of substantially pure ammonia to the synthesis reactor;

(j) transferring the urea solution produced in the medium-pressure decomposer to a low-pressure decomposer to produce as head product ammonia, carbon dioxide and water, and as tail product a solution of urea which still contains ammonia and carbon dioxide;

(k) condensing the head product from step (j) in a low-pressure condenser;

(l) concentrating the aqueous urea solution produced in the low-pressure decomposer, in a vacuum concentrator to obtain molten urea, and water vapour, ammonia and carbon dioxide; and

(m) condensing the water vapour, ammonia and carbon dioxide produced in step (l).

Comp. Specn. 18 Pages. Drg. 1 Sheet.

CLASS 32F3 acd + 55E4. 147030.
I.C. A61K + C07 d 7/00.

PROCESS FOR ISOLATION OF COLEFORSIN FROM THE PLANT SOLEUS FORSKOHLIL.

Applicant : HOECHST PHARMACEUTICALS LIMITED, HOECHST HOUSE NARIMAN POINT, 193, BACKBAY RECLAMATION, BOMBAY 400 021 MAHARASHTRA, INDIA.

Inventors : (1) Dr. (Mrs.) SUJATA VASUDEV BHAT. (2) Prof. BANI KANTA BHATTACHARYA, (3) Dr. ALI HUSSEIN NOMANBHAI DOHADWALLA, (4) Dr. NOEL OJOHN DE SOUZA, (5) Dr. HORST DORNAUER.

Application No. 245/BOM/76. Filed on July 21, 1976.

Comp. specn. left 15-10-77.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

18 Claims.

1. A process for the isolation of Coleforsin from the plant *Coleus Forskohlii* which comprises in combination the following steps :—

CLASS : 141-A 147031.
Int. Cl. C21b 1/00.

"AN IMPROVED SYSTEM FOR HEAT HARDENING OR AGGLOMERATES".

Applicant : The Associated Cement Companies Limited, Cement-House, 121, Maharshi Karve Road, Bombay-400 020, Maharashtra, India.

Inventor : Dr. Vaikunth Chhatalal Thakar.

Application No. 54/BOM/1977. Filed—Feb. 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

5 Claims.

An improved system for heat hardening of agglomerates using partly coal as fuel, having rotary kiln, travelling grate for drying and grate cooler, characterized in that within the said rotary kiln is provided a cross shaped device made of refractory material for intimate contact in between pellets/nodules and the gases in the kiln containing fine ash particles for baffling out ash particles.

Complete specification pages-7 and Drawing sheet-1.

CLASS : 141-A. 147032.
Int. Cl. C21b 1/00.

"A SYSTEM FOR HEAT HARDENING OF AGGLOMERATES".

Applicant : THE ASSOCIATED CEMENT COMPANIES LIMITED Cement House, 121, Maharshi Karve Road, Bombay-400 020, Maharashtra, India.

Inventor : Dr. Vaikunth Chhatalal Thakar.

Application No. 55/BOM/1977. Filed—Feb. 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

4 Claims.

A system for heat hardening of agglomerates of iron ore using partly coal and partly oil as fuel comprising a grate cooler for providing air to main kiln, auxiliary kiln to which air is provided from grate cooler through pipe, chimney for removing excess air from the said grate cooler, auxiliary kiln

being connected to cyclone through pipe for removing dust from hot gases, a smoke chamber for receiving dust from said cyclone, a rotary cooler for cooling the clinker formed in the said system, a pipe connecting said rotary cooler for drawing secondary air for the coal fired kiln from said grate cooler.

Complete specification 7 pages and drawing sheet 1.

CLASS : 128-G. 147033.

Int. Cl. A 61 F 5/00, A 61 G 9/00.

A URINE COLLECTION BAG.

Name of the Applicant & Inventor : HOMI RUSTOMJI VAKIL, FLAT NO. 27, MAISON BELVEDERE, MAHARSHI KARVE ROAD, BOMBAY-400 020, MAHARASHTRA, INDIA.

Application No. 150/BOM/77. Filed 26th April 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

6 Claims.

1. A urine-collection bag of a plastic material, the bag having only two openings in its upper edge, one opening to receive the end portion of a long flexible inlet tube and the other opening to receive a short outlet, each opening in the upper edge being fused leakproof around the outer surfaces of the inlet and outlet tubes respectively, the inlet tube being of a length adapted to accomodate the patient's position, the end of the inlet tube inside the bag being provided with no-return valve, and the other end of the inlet tube fitted leakproof on a rigid tubular stem, the stem being pushed leakproof into the open end of the catheter tube inserted into the patient's urinary system, the outlet tube being provided with either a plug or a closure cap at its outside end.

Complete Specification—6 pages; Drawing sheet—1.

CLASS 32E & 34A. 147034.

Int. Cl. C 08 g 51/60; D 01 f 7/02.

A PROCESS FOR THE MANUFACTURE OF DIPHENYLAMINE-ACETONE CONDENSATION PRODUCT SUITABLE AS HEAT-STABILIZER AND ANTIOXIDANT FOR POLYCAPROAMIDE (NYLON-6).

Applicant : SIR PADAMPAT RESEARCH CENTRE, A DIVISION OF J. K. SYNTHETICS LTD., JAYKAY-NAGAR, KOTA-324003, AN INDIAN COMPANY.

Inventors : JAYANTILAL CHUNILAL SHAH, DR. JAI-KISHNA NIGAM, DR. DATTAPRASAD ACHUT DABHOLKAR & DR. RAMESH KUMAR.

Application No. 512/Del/78 filed July 10, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Branch Office, Delhi.

3 Claims.

A process for the manufacture of diphenylamine-acetone condensation product suitable as heat-stabilizer and antioxidant for polycaproamide (nylon-6) to be incorporated either during polymerization of epsilon-caprolactam in an atmosphere of nitrogen or to be blended with the polymer chips just before spinning comprising reacting diphenylamine and acetone in a feed weight ratio of between 0.5 to 5 parts of acetone per part of diphenylamine, in the presence of a catalyst selected from the group consisting of iodine, ferrous iodide, hydrogen halide or cupric salts in the ratio of 0.5 to 10 parts of the catalyst for one hundred parts of diphenylamine at a temperature between 80°C and 150°C and a pressure between one to five atmospheres, for a period of time between seven and thirty hours and further heating the resultant residual material at a temperature of from 100°C to 130°C under vacuum (5 torr) to get the said condensation product which is purified by dissolving in chloroform, washing off iodine and removing the chloroform solvant.

(Comp.—8 pages.)

CLASS 5A & E.

147035

Int. Cl.-A01b 33/00.

AN IMPROVED SOIL MIXING/TILLING IMPLEMENT.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.*Inventors*: SUSHIL KUMAR BASU, SARUP SINGH RUP, NAVINCHANDRA FAJALAL SHAH AND LABHURAM CHADDA.

Application No. 1137/Cal/76 filed June 26, 1976.

Complete Specification left September 26, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An improved soil mixing/tilling implement of the type described herein for an operation in combination with a tractor or like vehicle characterised in that there is provided an offset mechanism comprising a reduction gear mounted on a base plate whose hollow driven shaft slides over a jackshaft fixed within the said driven on one end and the other end being connected to friction clutch and which enables it to work close to the shoulder of roads, hedges, embankments and the like.

Prov. Specn. 6 Pages. Compl. Specn. 12 Pages. Drg. 6 Sheets.

CLASS 32F₁ & F₂b.

147036

Int. Cl.—07d 49/00.

A PROCESS FOR THE PRODUCTION OF AMIDINO ACID DERIVATIVES.

Applicant: SMITH KLINE & FRENCH LABORATORIES LIMITED, OF MULDELLS, WELWYN GARDEN CITY, HERTFORDSHIRE, ENGLAND.*Inventors*: GRAHAM JOHN DURANT, CHARON ROBIN GANELLIN AND RODNEY CHRISTOPHER YOUNG.

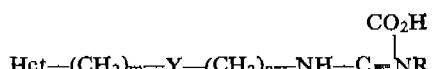
Application No. 249/Cal/77 filed February 19, 1977.

Convention date March 11, 1976/(09750/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

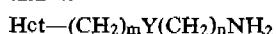
A process for the preparation of a compound of the formula I.



wherein Hct is a nitrogen-containing 5 or 6 membered heterocyclic ring such as imidazole, pyridine, thiazole, isothiazole, oxazole, isoxazole, triazole or thiadiazole, which ring is optionally substituted by lower alkyl, halogen, lower alkoxy, hydroxy, trifluoromethyl, hydroxymethyl or amino; m is 0, 1 or 2 and n is 2 or 3 provided that the sum of m and n is 3 or 4; Y is sulphur, methylene or oxygen; R is hydrogen, lower alkyl or Hct-(CH₂)_m-Y-(CH₂)_n—where Hct, m, n, and Y are as defined above: which comprises reacting a compound of formula I.

SQ

RNX-C(=O)R¹ wherein R¹ is hydrogen or an acid protecting group, X is H or nothing, Q is lower alkyl or nothing with an amine of formula 4.

and when R¹ is other than hydrogen removing the acid protecting group R¹ by known methods.

Comp. Specn. 11 Pages. Drg. 1 Sheet.

CLASS 174G.

147037

Int. Cl.-F16f 15/12.

VIBRATION DAMPER FOR ATTENUATING AXIAL AND RADIAL VIBRATIONS.

Applicant: ULTRA CENTRIFUGE NEDERLAND N. V., OF SCHEVENINGSEWEG 44, THE HAGUE, THE NETHERLANDS.*Inventor*: WALTHERUS JOSEPHUS THOMAS HERMANUS LUIJTTEN.

Application No. 466/Cal/77 filed March 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Vibration damper comprising a damper vessel, which damper serves for attenuating vibrations of a rotor which is supported by one or more bearings and which revolves rapidly about its axis, one bearing being connected to a damping element which can move against radial restoring forces and which, surrounded by a damping slot, is arranged inside the damping vessel by means of a thin rod which can resiliently move aside radially, CHARACTERIZED in that said rod is mounted on at least one of its ends with the use of an interposed memberance.

Comp. Specn. 6 Pages. Drg. 2 Sheets.

CLASS 206E.

147038

Int. Cl.-G06f 1/04.

ARRANGEMENT FOR TRANSMISSION OF CERTAIN CLOCK SIGNALS INCLUDED IN A SERIES OF SUCCESSIVE CLOCK SIGNALS.

Applicant: TELEFONAKTIEBOLAGET L M ERICSSON, OF S-126 25, STOCKHOLM, SWEDEN.*Inventor*: STURE GOSTA ROOS.

Application No. 280/Del/77 filed September 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Branch Office, Delhi.

1 Claim.

An arrangement for transmission of certain clock signals included in a series of successive clock signals by means of lower frequency compared to the frequency of said clock signal series particularly in order to obtain well-defined pulses from said signals of lower frequency for control of logical circuits placed at a distance from the clock pulse source, characterized in that it comprises on the sender side a clock pulse generator to generate said clock pulse series a counter arrangement stepped forward by said clock pulse series and producing at least two pulse series being phase displaced relatively each other where the length of the pulses of said pulse series is a multiple of the length of the pulses of said clock pulse series, and the phase displacement between said at least two pulse series corresponds to half the length of the pulse period of said clock pulse series, the frequency of said at least two pulse series being lower than the frequency of said clock pulse series transmitters corresponding to each pulse series for transmitting said pulse series on a line and on the receiver side receivers corresponding to each pulse series for receiving the pulse series transmitted through the line a logical circuit detecting the transmitted pulse series which are phase displaced relatively each other, and in dependence on a predetermined ratio between the signal amplitudes, transmitting a pulse as long as said defined ratio exists.

Comp. Specn. 7 Pages. Drg. 1 Sheet.

CLASS 126B & 89

147039.

Int. Cl.-G01b 7/24; G01n 3/00.

A MAGNETIC EXTENSOMETER.

Applicant : DIRECTOR GENERAL, RESEARCH DESIGNS AND STANDARD ORGANISATION (MINISTRY OF RAILWAYS), ALAMBAGH, LUCKNOW-5, STATE OF UTTAR PRADESH, INDIA, AN INDIAN NATIONAL.

Inventors : O. P. KAPUR, P.C. SRIVASTAVA & RAMJI SRIVASTAVA.

Application No. 559/Del/78 filed July 31, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi.

6 Claims.

A magnetic extensometer for determining the vertical displacement of soil at different depths consisting of a cylindrical plug having an upper rim portion and a lower rim portion, said upper rim portion forming a cylindrical cup to hold a ring magnet therein, said lower rim portion being made conical and having fixed thereto at least three spring strips, a central vertical hole or opening formed in the plug and having a diameter less than the inner diameter of said ring magnet, a cover provided on said upper rim portion, a PVC tube passing through said vertical central hole or opening in the said plug and a metallic probe is made to lower through said PVC tube for effecting measurement of displacement of soil.

Comp. 11 pages, Drawing 1 sheet.

CLASS 172D.

147040.

Int. Cl.-D01h 7/74.

OPEN-END SPINNING APPARATUS.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, WEST GERMANY.

Inventor : HANS LANDWEHRKAMP.

Application No. 1742/Cal/76 filed September 21, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Open-end spinning apparatus, having a spinning rotor which is driven by rotor drive means and whose walls enclose the fibre-collecting channel and also having a thread-draw-off nozzle which projects into the spinning rotor and has a curved thread contact surface, characterised in that the rotor drive means is adapted to maintain a spinning rotor speed between 50,000 and 70,000 r.p.m., thread contact surface having a radius of curvature of between 7.5 and 8.5 mm, and the walls defining an angle () of at least 40°.

Comp. Specn. 10 pages. Drg. 1 sheet.

CLASS 32E.

147041.

Int. Cl.-C08f 3/04, 27/00.

A CURABLE POLYOLEFIN POLYMER COMPOSITION.

Applicant : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventors : ARNOLD FACTOR, ROGER THOMAS SWIGER AND ROBERT BRUCE WALTERS.

Application No. 1557/Cal/77 filed October 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A composition comprising a crosslink curable product of polyolefin polymer as herein defined and having incorporated therein the combination of a hindered phenol as herein defined in an amount of 0.5 to 5 parts by weight per 100 parts by weight of the polyolefin polymer and a saturated ester of bis-dithiopropionic acid in an amount of 0.5 to 5 parts by weight per 100 parts by weight of the polyolefin polymer.

Comp. Specn. 15 pages. Drg. 1.

CLASS 148H & 194C.

147042.

Int. Cl.-H05g 1/00.

A DEVICE FOR USE WITH X-RAY APPARATUS FOR PREVENTING SECONDARY RAYS FROM REACHING THE X-RAY FILM.

Applicant & Inventor : SHRIDHAR MORESHWAR PARANJPE, OF ELPRO INTERNATIONAL LTD., 7 RED CROSS SARANI, CALCUTTA-1, WEST BENGAL, INDIA.

Application No. 1219/Cal/76 filed July 8, 1976.

Complete Specification left September 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A device for use with an X-Ray apparatus for preventing secondary rays from reaching the X-Ray film, comprising a conventional grid adapted to be reciprocated during the period of exposure of the X-Ray film, a grid frame holding the grid, a roller follower attached to the grid frame and engaging a groove in a cylindrical cam adapted to be rotated by a synchronous motor for imparting reciprocating movement to the grid frame.

Prov. Specn. 7 pages. Comp. Specn. 7 pages, Drg 2 sheets.

CLASS 65A₁ & A₂ & A₄.

147043.

Int. Cl.-H011 9/00.

CONTROL ARRANGEMENT FOR CONTROLLABLE RECTIFIER ELEMENTS IN BRIDGE CONNECTION IN AN INVERTER.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : LOVRO VUKASOVIC AND JANOS RADUKA.

Application No. 1678/Cal/76 filed September 13, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A control arrangement for controllable rectifier elements in bridge connection in an inverter, the control arrangement comprising for producing firing-initiating pulses for the controllable rectifier elements of the inverter, an evaluating circuit having a first input for receiving a signal indicative of alternating load voltage at the inverter output side and a second input for receiving a signal indicative of alternating current carried by the inverter, the evaluating circuit being designed to produce firing-initiating pulses which precede passages through zero of the load voltage by an interval of time dependent upon at least one electrical characteristic of the inverter, the control arrangement further comprising, for detecting short circuits occurring in the bridge arms of the inverter,

a monitoring arrangement having a first input for receiving a signal indicative of said alternating load voltage at the inverter output side and a second input for receiving a signal indicative of said alternating current carried by the inverter.

Comp. Specn. 14 pages. Drg. 2 sheets.

CLASS 119D.

147044

Int. Cl.-D03d 47/30.

WEAVING LOOM HAVING AIR OR GAS JET WEFT INSERTION DEVICE.

Applicant: RUTI-TE STRAKE B. V., OF INDUSTRIE-WEG 7, DEURNE, THE NETHERLANDS.

Inventor: ADRIANUS JOHANNES FRANCISCUS LAR-MIT.

Application No. 99/Cal/77 filed January 25, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A weaving loom of the type in which a conveying tunnel for the wefts is formed on the reed, particularly for the substantially U-shaped reed blades and in which the wefts are propelled from the one side of the weaving shed to the other through said tunnel by means of a flowing fluid with the intermediary of a main blowing nozzle disposed at the one side of the weaving shed and optionally one or more auxiliary nozzles disposed mutually spaced across the width of the weaving shed, on the said other side of the weaving shed a device being provided, operating with a gas or air jet, for tensioning an inserted weft and keeping said weft tensioned during the beating up movement of the reed, characterised in that the supply for the gas or air jet is arranged such with respect to an imaginary cylinder in alignment with the conveying tunnel passage that the jet issues substantially diametrically and freely across the cross-sectional area of said cylinder and is caught by a passage disposed in alignment with said jet and emanating substantially from the circumferential surface of said imaginary cylinder.

Comp. Specn. 10 pages. Drg. 1 sheet.

CLASS 90C.

147045.

Int. Cl.-C03c 27/12.

METHOD FOR PRODUCING LAMINATED GLASS.

Applicant: PILKINGTON BROTHERS CANADA LIMITED, OF 101, RICHMOND ST. W., TORONTO, ONTARIO, CANADA.

Inventor: HARRY HESS.

Application No. 1261/Cal/77 filed August 12, 1977.

Convention date September 1, 1976/(260,339/76) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

28 Claims.

A method for producing laminated glass of the type including a first sheet of glass, a second sheet of glass and an interlayer of the kind such as herein described sandwiched therebetween, each of said sheets of glass having an inner surface facing said interlayer, said method comprising the steps of:

(a) securing in any known manner said interlayer to the inner surface of said first sheet;

(b) providing the surface of said interlayer remote from said first sheet with a layer of adhesive of the type capable of curing under generally ambient conditions, the volume of said adhesive being in excess of the volume required for laminating said interlayer and said second sheet;

(c) applying to said adhesive layer said second sheet, the application of said second sheet to the adhesive being effected at a stage wherein said adhesive is virtually free of solvent but is still in a generally uncured, tacky state, whereby a sandwiched assembly is formed;

(d) subjecting the sandwiched assembly at a stage when said adhesive layer is still in said generally uncured, tacky state to compression by applying a moderate pressure such as herein defined to the outer surface of said second sheet, the means for applying pressure being located along a line co-incident with and extending substantially transversely of the outer surface of said second sheet;

(e) causing the line of pressure applied by said means to move relative to the second sheet in a lengthwise direction from one end of the assembly to the other whereby under such pressure the excess adhesive provided between said interlayer and said second sheet wells up and causes said second sheet to delaminate temporarily from said interlayer along an interspace area extending substantially the entire width of said second sheet thereby providing a space between the inner surface of said second sheet and said adhesive layer for escape of air bubbles from a section of said adhesive layer generally co-incident with said line of pressure from the pressure applying means; and

(f) at least partially curing in any known manner said adhesive.

Comp. Specn. 23 pages. Drg. 2 sheets.

CLASS 32F₁ & F₂b & C & 55E₄.

147046.

Int. Cl.-C12d 9/00, C07c 129/18,

C07d 7/00.

PROCESS FOR THE PREPARATION OF AMINOCYC-LITOL ANTI-BIOTIC COMPOUNDS.

Applicant: STERLING DRUG INC., OF 90 PARK AVENUE, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

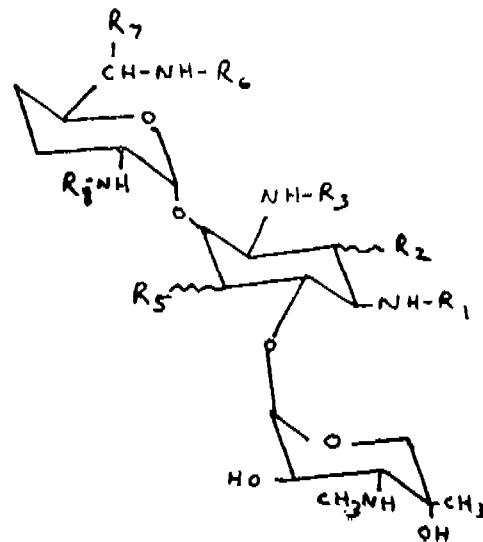
Inventors: SOL JACOB DAUM AND ROBERT LA GRONE CLARKE.

Application No. 1416/Cal/77 filed September 20, 1977.

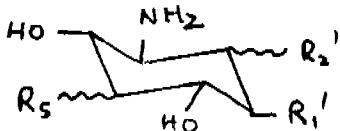
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

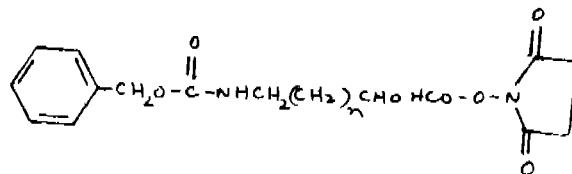
A process for preparing a compound of the formula I.



(herein), where R_1 , R_2 and R_3 each represent hydrogen or one of R_4 , R_5 and R_6 represents an amino-hydroxy-lower-alkanoyl group and R_7 and R_8 each represent hydrogen or hydroxy; R_9 and R_{10} each represent hydrogen or methyl; and R_{11} represents hydrogen or lower-alkyl, which comprises culturing a nutrient medium containing carbohydrates, a source of assimilable nitrogen, essential salts and an aminocyclitol having the Formula II Δ .



where R_5 and R_6 are each hydrogen or hydroxy; and R_7 is amino or hydroxy in the presence of *Micromonospora purpurea* ATCC 31, 164, with the proviso that when one of R_1 , R_2 and R_3 represents an -amino- hydroxy-lower-alkanoyl group reacting the compound so obtained with an N-hydroxy-succinimide ester having the formula IV.



(herein) where n is zero or 1 and subjecting the benzylcarbonyl group in the resulting product to hydrogenolysis with hydrogen over a catalyst, and if desired, converting in a manner known *per se* a free base obtained to an acid-addition salt thereof.

Comp. specn. 30 pages. Drg. 1 sheet.

CLASS 128K & 155B.

147047

Int. Cl.-A611 17/00.

COATED SUTURE MATERIAL AND METHOD FOR PREPARING THE SAME.

Applicant: ETHICON INC., AT SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor: FRANK MATTEL.

Application No. 1679/Cal/77 filed December 2, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims. No drawings.

A coated synthetic, absorbable multifilament suture having improved tie-down properties, said coating being made of from about 2 to 15 per cent by weight of a composition comprising a mixture of a substantially water-insoluble, absorbable salt of a C₆ or higher fatty acid and an absorbable, film-forming polymer as herein described, the ratio of said fatty acid salt to said polymer being from about 1:4 to 4:1.

Comp. specn. 24 pages. Drg. Nil.

CLASS 40F & 139B.

147048

Int. Cl.-C01b 25/00, C07c 7/18,

B01j 1/00

PROCESS FOR MAKING STABILIZED RED PHOSPHORUS.

Applicant: HOECHST AKTIENGESELLSCHAFT, D 6230 FRANKFURT/MAIN 80 FEDERAL REPUBLIC OF GERMANY.

Inventors: HORST STAENDEKE, FRANZ-JOSEF DANY, JOACHIM KANDLER AND WILHELM ADAM.

Application No. 1685/Cal/77 filed December 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims. No drawings.

A process for making stabilized, pulverulent red phosphorus consisting of particles with a size of at most about 2 mm and an oxidation stabilizer such as defined herein before which comprises: superficially wetting the individual phosphorus particules by intimately blending them with an aqueous, about 7 to 95 weight% solution of a preliminary condensation product of melamine and formaldehyde, the preliminary condensation product being used in a proportion of about 1 to 20 weight%, based on the quantity of red phosphorus; hardening the preliminary condensation product at a temperature of 100 to 180°C; and drying the resulting stabilized red phosphorus at a temperature of 80 to 180°C.

Comp. Specn. 20 pages. Drg. Nil.

CLASS 39-O.

147049.

Int. Cl.-B01j 11/32, C01b 33/20.

A PROCESS FOR THE PREPARATION OF CRYSTALLINE SILICATES.

Applicant: SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B. V., CAREL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS.

Inventors: HERMAN WOUTER KOUWENHOVEN, WILLEM HARTMAN JURRIAAN STORK AND LAMBERT SCHAPER.

Application No. 408/De1/77 filed November 21, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

16 Claims. No drawings.

A process for the preparation of crystalline silicates characterised in that:

(a) they are thermally stable up to temperature above 600°C;

(b) after dehydration in vacuo at 400°C they are capable of absorbing more than 30% water at 25°C and saturated water vapour pressure; and

(c) in the dehydrated form they have the following overall composition, in terms of moles of the oxides;

(1.0 ± 0.3) (R)_nO.

[a Fe₂O₃]

b Al₂O₃

c Ga₂O₃]

y (d SiO₂, e GeO₂), where

R = one or more monovalent or bivalent cations;

a 0.1;

b 0;

c 0;

a + b + c = 1;

y 10;

d 0.1;

e 0;

d + e = 1; and

n is the valency of R.

said process comprises reacting an aqueous mixture containing one or more compounds having a monovalent or bivalent cation (R_n) or from which such a cation is formed during the preparation of the silicate, one or more Si-compounds, one or more Fe-compounds and optionally one or

more compounds of an alkali or alkaline-earth metal (R_1) and one or more Al-, Ga- and/or Ge-compounds such as herein described in which mixture the various compounds are present in the following molar ratio, expressed in moles of the oxides;

$(R_1)_2/pO$:

$(R_2)_2/qO$ 10 and preferably 0.05-5,

$(R_2)_2/qO$:

$(SiO_4^2- + GeO_4^2) = 0.01-1$ and preferably 0.05-1, and

$(SiO_4^2-) + GeO_4^2$:

$(Fe^2O_3^2 +$

$Al_2O_3 +$

$Ga_2O_3)$

10 and preferably 10—600, (p and q are the respective valencies of R_1 and R_2) at an elevated temperature such as herein described until the silicate has been formed and that, subsequently, the crystals of the silicate are separated from the mother liquor.

Comp. Specn. 29 pages. Drg. Nil.

CLASS 99E & 179E.

147050

Int. Cl.-G12b 2/00,

G01d 11/24.

IMPROVEMENTS IN OR RELATING TO HOUSING ASSEMBLIES FOR ELECTRICAL APPARATUS.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : HERMANN BENDEL AND HANS SONTHEIM.

Application No. 632/Cal/76 filed April 13, 1976.

Convention date September 4, 1975/(36378/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A housing assembly for electrical apparatus, comprising a housing having two open sides; a pair of cover plates effective to close-off said open sides; means extending peripherally around one face of said cover plates so as to seal said assembly against the ingress of moisture and to screen said assembly electrically when the open sides are closed-off by said cover plates, a shroud which extends peripherally around one of said cover plates on the side thereof remote from the sealing and screening means and which is arranged to shield elements arranged on said remote side of said one cover plate; and a locating frame arranged within the housing for receiving plug-in components, said plug-in components being insertable through one of said sides.

Comp. Specn. 16 pages. Drg. 7 sheets.

CLASS 132C.

Int. Cl.-E04g 21/06, E01c 19/30, B06b 3/02.

147051.

IMPROVED SCREED VIBRATOR FOR SURFACE COMPACTION PURPOSES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : SHRI HARJIT SINGH, SHRI SOHAN SINGH SHEEHRA, SHRI SARUP SINGH RUP AND SHRI RAM KINKAR GHOSH.

Application No. 1312/Cal/76 filed July 22, 1976.

Complete Specification left October 22, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3—297GI/79

2 Claims.

Improved screed vibrator for surface compaction consists of an eccentric rotor mounted within an air cooled casing and on a screed board having a shoe plate fitted to the underside thereof, a primemover for driving the said rotor, the vibration produced being transmitted by the said screed board to the surface under compaction characterised in that the eccentric rotor has fitted thereon a replaceable load on the side opposite to the side having the eccentric cut therein to vary the value of the eccentricity/amplitude to desired levels and wherein the amplitude achieved is a function of the load fitted on the eccentric rotor.

Prov. Specn. 5 Pages. Comp. Specn. 8 Pages. Drg. 2 Sheets.

CLASS 9E & F.

147052

Int. Cl.-C22c 39/54.

PROCESS FOR PRODUCTION OF A BORON STEEL HAVING IMPROVED PROPERTIES OF HARDENABILITY AND TOUGHNESS.

Applicant : UGINE-ACIERS, OF 10, RUE DU GENERAL FOY, 75361 PARIS CEDEX 08, FRANCE.

Inventors : DANIEL THIVELLIER, DANIAL ROUSSEAU AND ROLAND TRICOT.

Application No. 56/Cal/77 filed January 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Process for production of a boron steel having improved properties of hardenability and toughness comprising the following steps :

(i) preparing a melted carbon steel with a carbon content between 0.05 and 2% and thoroughly desoxydising it; and

(ii) adjusting the nitrogen content (N) of this steel between 40 and 200 ppm either by adding more nitrogen or by extracting a part of the content of nitrogen and introducing 30 to 100 ppm of total boron (Bt) and 200 to 800 ppm of equivalent aluminium (So), the amounts in ppm of equivalent aluminium (So) of total boron (Bt) and of nitrogen (N) being such as to satisfy the relationship $10N - 17Bt - So = 300 \pm 200$, where So is calculated by the following relationship :

$$So = Al + V + Nb + Ta$$

1.9 3.4 6.7

Al, V, Nb and Ta being the quantities of Al, V, Nb and Ta which have been introduced in the melted steel, expressed by their concentration in ppm.

Comp. Specn. 33Pages. Drg. 1 Sheet.

CLASS 15C & D.

147053

Int. Cl.-F16c 17/26.

A BEARING ASSEMBLY.

Applicant : AEROFALL MILLS LIMITED, OF 2640 SOUTH SHERIDAN WAY, MISSISSAUGA, ONTARIO, CANADA.

Inventor : ARTHUR SELWYN CORNFORD.

Application No. 781/Cal/77 filed May 24, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A bearing assembly comprising :

a plurality of bearing shoes positioned to engage a slide member in supporting relation thereto;

support means including a plurality of pivotal mountings for the bearing shoes,

each bearing shoe, providing a bearing face conforming to the shape of the slide member for engagement therewith, and being mounted symmetrically with respect to a respective one of said pivotal mountings;

oil supply means for applying oil to the bearing faces of the shoes whereby to create a hydrodynamic oil film between said bearing faces and the slide member;

each shoe comprising a main shoe portion and a pair of auxiliary shoe portions articulated thereto, each auxiliary shoe portion supporting a respective end portion of the bearing face and being displaceable from an operative position in which the respective end portion is positioned to engage the slide member to an inoperative position in which the respective end portion is disengaged from the slide member; and

means for displacing the auxiliary shoe portions selectively and alternatively from their operative positions whereby to establish an effective bearing face positioned to engage the slide member which bearing face is asymmetrically disposed in relation to the respective pivotal mounting.

Comp. Specn. 12 Pages. Drg. 1 Sheet.

CLASS 32A & 121.

147054.

Int. Cl.-C09 1/02.

PROCESS FOR THE PREPARATION OF FLUORESCENT DYESTUFFS.

Applicant : BAYER AKTIENGESELLSCHAFT, OF 5090 LEVERKUSEN, BAYERWERK, WEST GERMANY.

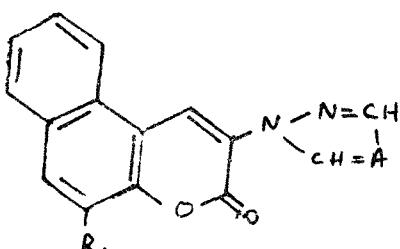
Inventor : RODERICH RAUE.

Application No. 524/Del/77 filed December 28, 1977.

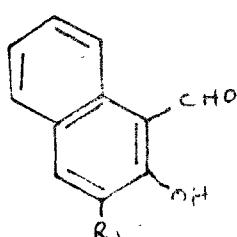
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims.

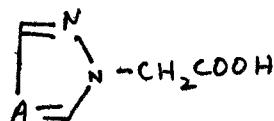
Process for the preparation of fluorescent dyestuffs of the formula I.



wherein R_1 represents hydrogen, C_1 - C_4 -alkoxycarbonyl, amicarbonyl or mono- or di- C_1 - C_4 -alkylaminocarbonyl and A represents N or C - Cl characterised in that 2-hydroxy-1-haphthaldehydes of the formula shown in Fig. 1.



wherein R_1 is as defined above, are reacted with substituted acetic acids of the formula shown in Fig. 2.



wherein A has the above meaning in the presence of sodium acetate and acetic anhydride and in the case where $A = N$, the coumarin compounds thus obtained are, if desired, quaternised with alkylating agents such as herein described.

Comp. Specn. 21 Pages. Drg. 1 Sheet.

CLASS 107H.

147055.

Int. Cl.-F02m 59/20.

FUEL PUMPING APPARATUS.

Applicant : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, B192XF, ENGLAND.

Inventors : ROBERT THOMAS JOHN SKINNER AND JAMES CHARLES POTTER.

Application No. 2202/Cal/76 filed December 15, 1976.

Convention date December 20, 1975/(52462/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

A fuel pumping apparatus for supplying fuel to a supercharged internal combustion engine and comprising a plunger reciprocable with a bore, pump means for supplying fuel under pressure to said bore to urge the plunger in an outward direction, control means for determining the quantity of fuel supplied to said bore by said pump means, a cam for imparting inward movement to the plunger to displace fuel from said bore through an outlet and stop means for determining the maximum outward movement of the plunger irrespective of the setting of said control means, said stop means comprising a stop member movable in a direction at right angles to the axis of movement of the plunger, first and second members, each of said first and second members being independently adjustable to determine the position of said stop member, means coupled to one of said members for positioning said one member so that an excess of fuel will be supplied by the apparatus for starting purposes, and air pressure responsive means coupled to the other of said members, said air pressure responsive means in use, being subjected to the pressure of air developed by the supercharger of the engine whereby the other of said members will be positioned to provide at least two levels of maximum fuel.

Comp. Specn. 20 Pages. Drg. 2 Sheets.

CLASS 32F¹ & F²b.

147056.

Int. Cl.-C07d 49/32.

A PROCESS FOR THE PRODUCTION OF SPIRO-HYDANTOIN COMPOUNDS.

Applicant : PFIZER INC., OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

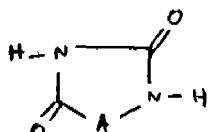
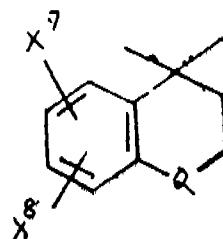
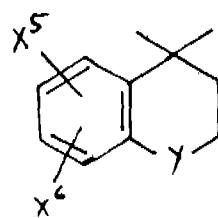
Inventor : REINHARD SARGES.

Application No. 294/Del/77 filed October 5, 1977.

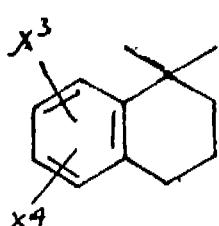
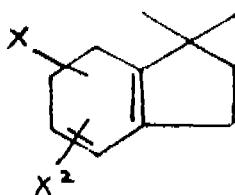
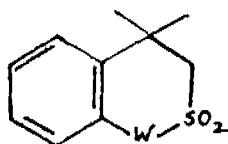
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

29 Claims.

A process for preparing a spiro-hydantoin compound of the formula I.



and the base salts thereof (prepared by known methods) with pharmacologically acceptable cations, wherein A is a radical of the formula IV, V, VI, VII and VIII.



wherein W is $-(CH_2)_n-$; X is hydrogen and X' is fluorine, or 6'-(lower alkoxy); or X and X', when taken separately, are each lower alkoxy, and when taken together are $-OCH_2-(CH_2)_nO-$; X³ is hydrogen and X' is fluorine, chlorine or bromine; or X³ and X⁴, when taken separately, are each chlorine, and when taken together are $-OCH_2(CH_2)_nO-$; X⁷ is hydrogen and X⁸, when taken separately, are each chlorine or lower alkoxy, and when taken together are $-OCH_2(CH_2)_nO-$; X⁷ is hydrogen and X⁸ is hydrogen, fluorine, chlorine, bromine or lower alkoxy; or X⁷ and X⁸, when taken separately, are each hydrogen, chlorine or lower alkoxy, and when taken together are $-OCH_2(CH_2)_nO-$; Y is oxygen or sulfur; Q is $\begin{matrix} O \\ || \\ S \\ || \\ O \end{matrix}$ or $\begin{matrix} O \\ || \\ S \\ || \\ O \end{matrix}$; and n is zero or one, characterized by reacting an

appropriate carbonyl ring compound of the formula



wherein A is as defined above with an alkali metal cyanide and ammonium carbogate and when required oxidizing a spiro-hydantoin product wherein Y is sulfur to one wherein Y is converted to Q to produce a compound wherein A is of Formula VIII.

CLASS 167C & 198A & D.

147057.

Int. Cl.-B03d 3/00.

CONICAL CONCENTRATOR WITH PARTIAL FLOW COMBINATION.

Application : MINERAL DEPOSITS LIMITED, OF 81 ASHMORE ROAD, SOUTHPORT, QUEENSLAND 4215, AUSTRALIA.

Inventor : PHILIP JOHN GIFFARD.

Application No. 410/Del/77 filed November 21, 1977.

Convention date November 22, 1976/(PC 8216/76) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

13 Claims.

Apparatus for the wet gravity concentration of particulate ores comprising upper and lower substantially concentric downwardly convergent cones having their axes substantially vertical with their apex regions positioned downwardly, splitter means having at least one aperture located at the apex region of the upper and lower cones to divide a wet stream of particulate ore flowing downwardly over the upper surface of each cone into a concentrate stream flowing through said at least one aperture and a less-concentrated stream flowing over said at least one aperture, and stream combining means to combine the concentrate stream flowing through said at least one aperture in said upper cone with the less concentrated stream from said lower cone.

Compl. Specn. 9 Pages, Drg. 3 Sheets.

CLASS 167C & 198A & D.

147058.

Int. Cl.-B03d 3/00.

METHOD AND APPARATUS FOR THE WET GRAVITY CONCENTRATION OF ORES.

Applicant : MINERAL DEPOSITS LIMITED, OF 81, ASHMORE ROAD, SOUTHPOR, QUEENSLAND 4215, AUSTRALIA.

Inventor : PHILIP JOHN GIFFARD.

Application No. 411/Del/77 filed November 21, 1977.

Convention date November 22, 1976/(PC 8218/76) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

15 Claims.

A method for the wet gravity concentration of particulate ores, comprising the steps of :

- (a) stratifying a stream of ore pulp consisting of a mixture of concentrate particles and lighter tailings particles in water such that at least a portion of the concentrate particles become located at or near the bottom of the stream thereby to form a concentrate enriched stratum at the bottom of the stream, a concentrate depleted stratum at the top of the stream, and an intermediate stratum of approximately feed grade material;
- (b) dividing the stream to remove at least part of the enriched stratum thereby to produce two sub-streams, one being richer in concentrates than the other;
- (c) stratifying the sub-streams as aforesaid;
- (d) dividing the richer sub-stream to remove at least part of its enriched stratum without intruding substantially into its feed grade stratum;

(e) dividing the poorer sub-stream to remove at least part of its depleted stratum without intruding substantially into its feed grade stratum.

Comp. Specn. 24 pages. Drg. 6 sheets.

OPPOSITION PROCEEDINGS

(1)

The opposition entered by the Assistant Design Engineer (Wagon), Research, Design & Standards Organisation to the grant of a patent on application No. 137930 made by Dr. Dasarathi Banerjee as notified in Part III, Section 2 of the gazette of India dated the 20th March 1976 has been partly allowed and a patent has been ordered to be sealed on the application subject to amendment of the specification.

(2)

An opposition has been entered by Ahmedabad Manufacturing & Calico Printing Co. Ltd. to the grant of a patent on application No. 145911 made by The Arvind Mills Limited.

(3)

An opposition has been entered by Pressure Cookers and Appliances Ltd. to the grant of a patent on application No. 146203 made by Tiruvallur Thattai Narasimhan.

CORRECTION OF CLERICAL ERRORS UNDER SECTION 78(3)

(1)

The title in the application, specification and also opening description of the specification of application for Patent No. 144145 (earlier numbered as 1469/Cal/75) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 1st April, 1978 has been corrected to read as "A refractory shaped for insertion into the groove of a steel ingot mould", under Section 78(3) of the Patents Act, 1970.

(2)

The title of the invention in the application, specification and also opening description of the specification of application for patent No. 144186 (earlier numbered as 604/Cal/75) the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 1st April, 1978 has been corrected to read as "A resilient side bearing and a railway car truck incorporating it", under section 78(3) of the Patents Act, 1970.

(3)

The title in the application and specification and also opening description of the specification of patent application No. 144392 (earlier numbered as 1126/Cal/76), the acceptance of the complete specification of which was notified in Part III, Section 2 of the Gazette of India dated the 29th April, 1978 has been corrected to read as "A bottom joint seal of a hopper barge and a hopper barge incorporating it" under Section 78(3) of the Patents Act, 1970.

PATENTS SEALFD

143620 143744 143785 143851 143876 143917 143938 144330
 144402 144414 144416 144592 144607 144742 144800 144824
 144980 145058 145128 145404 145405 145442 145898 145909
 145922 145997 146035 146047 146065 146074 146098 146099
 146101 146102 146104 146105 146106 146111 146112 146121
 146123 146132 146135 146137 146138 146141 146143 146148
 146151 146157 146159 146161 146164 146168 146169 146171
 146175 146197 146201 146204 146206 146217 146248.

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Lone Star Steel Company, a corporation incorporated in the States of Texas United States of America 2200 W. Mockingbird Lane, Dallas, Texas, 75235 United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification and drawings of their application for patent No. 145478 for "Process for obtaining pollutant material free gas stream and an apparatus therefor". The amendments are by way of explanation and correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(2)

The amendments proposed by The Carborundum Company in respect of patent No. 145356 as advertised in Part III, Section 2 of the Gazette of India dated the 12th May, 1979 have been allowed.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the

Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. & Title of the invention

137684 (15-2-73) An improved method of electrolysis of an aqueous alkali metal halide solution containing polyvalent cations.

137872 (20-11-72) Process for the preparation of novel soluble diazo dyestuffs.

137893 (29-9-72) Polymerisation of caprolactam.

137906 (21-11-74) Method for making non-corrosive cuprammonium fungicides.

137911 (6-3-73) A method for preparing a composition for inhibiting or preventing microbial growth.

137913 (11-7-73) A process for recovering nitro cellulose obtained after the nitration of cellulose and apparatus therefor.

137914 (23-7-73) A process of manufacturing an amphoteric ion exchange resin.

137918 (26-3-74) Improvements in or relating to the production of choline chloride from trimethylamine aqueous and ethylene chlorohydrin.

137919 (26-10-74) A method for increasing the vitamin B₁₂ production in fermentation process carried out with methino bacteria.

137941 (22-5-74) Process for 11a dehalogenation of 11-a halotetracyclines.

RENEWAL FEES PAID

95487 95561 95751 95912 96087 96091 96296 96751 101073
 101468 101628 101815 101847 102025 102045 102060 102061
 102062 102063 102064 102065 102066 102067 102068 102069
 102070 102071 102093 102238 104177 106449 106854 106939
 106946 107234 107270 107330 107335 107355 107363 107430
 107513 107551 107561 107565 107566 107567 107568 107579
 107715 107926 111213 111812 112214 112278 112368 112382
 112440 112473 112487 112551 112560 112641 112727 112783
 112813 112869 113006 113252 113699 115489 117347 117555
 117607 117608 117646 117861 117866 117870 117871 117872
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 118139 118250 118268 118327 118335 118367 118418 118419
 118425 118426 118463 118669 119213 121776 121777 122577
 122928 122931 122932 122989 122997 123055 123163 123290
 123479 123481 123489 123495 123509 123536 123718 124221
 127877 128320 128365 128634 128699 128709 128721 128731

128755 128816 128839 128884 128899 128934 129023 129045	143020 143051 143109 143161 143224 143242 143269 143285
129192 129389 129451 129618 129706 132763 132908 133102	143521 143541 143611 143636 143667 143810 143824 143875
133133 133145 133146 133168 133179 133223 133233 133304	143952 143961 143968 143969 144040 144047 144117 144141
133380 133463 133464 134052 134917 134975 135491 135508	144158 144159 144163 144184 144202 144206 144213 144219
135572 135581 135690 135773 135774 136023 136054 136116	144231 144259 144263 144278 144280 144281 144316 144327
136205 136343 136368 136451 136651 136879 136898 136944	144329 144331 144339 144350 144354 144376 144407 144408
136971 137060 137061 337150 137226 137279 137316 137388	144441 144443 144456 144476 144498 144518 144532 144539
137408 137410 137667 137713 137976 138108 138533 138642	144559 144565 144575 144579 144624 144625 144626 144631
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140584 140616 140658 140664 140672 140684 140789 140889	145084 145113 145114 145119 145145 145171 145188 145256
140916 141018 141096 141133 141137 141251 141316 141539	145296 145674 145769 145785 145954
141541 141644 141654 141730 141814 141828 141832 141835	
141863 141874 141969 141972 141999 142005 142102 142171	
142210 142233 142241 142281 142331 142332 142483 142509	
142539 142650 142698 142720 142868 142896 142909 142975	

S. VEDARAMAN
Controller-General of Patents, Designs
and Trade Marks.